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OCT 10 2006

CLAIM STATUS AND AMENDMENTS

1-32. (Cancelled)

33. (Currently Amended) A method for regulating a tension of a web of material passing through a processing machine including:

providing a regulating device for controlling said web tension;

providing a computing unit for controlling said regulating device, said computing unit generating a time based, predetermined web tension control function in response to a sensed web tension affecting interference; said control function being dependent on information regarding the material from which said web is formed;

sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;

in response to said sensing, applying said time based control function to said regulating device for selectively reducing a value of said tension from an existing value to below a selected reference value at least temporarily and after a period of time, returning said tension value to said existing value.

providing a web tension regulating device;

using said web tension regulating device for controlling said web tension; maintaining said web tension at an actual, existing reference variable using said web tension regulating device;

sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;

- providing a selected reference value for said web tension in response to said interference;
- providing a time based, predetermined function in response to said sensed web tension affecting interference;
- providing a computing unit;
- supplying information regarding the web to said computing unit;
- using said computing unit for providing said time based predetermined function;
- supplying said predetermined function to said regulating device;
- using said regulating device for selectively reducing said actual reference variable at least temporarily below said selected reference value and subsequently returning said actual reference variable to said actual existing reference value.

34. (Currently Amended) The [A] method for regulating a tension of a web of material passing through a processing machine of claim 33, further including:

- providing a web tension regulating device;
- using said web tension regulating device for controlling said web tension;
- maintaining said web tension at an actual existing reference variable using said web tension regulating device;
- sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;

providing a selected reference value for said web tension in response to said interference;

using said regulating device for selectively reducing said actual existing reference variable at least temporarily;

providing a plurality of printing groups in said processing machine and including a first printing group and a last printing group in a direction of web travel through said plurality of printing groups;

measuring tensions in said web before said first printing group and after said last printing group and;

using said regulating device for returning said tension selected reference value to said actual existing reference value variable upstream of said first printing group using said measured value of said tension in said web after said last printing group.

35. (Currently Amended) A method for regulating a tension of a web of material passing through a printing machine including:

sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;

providing a computing unit which generates a time based, predetermined function in response to said sensed web tension affecting interference, said time based function being dependent on the material from which said web is formed and defining at

least one of an amount and duration of a reduction in a reference value of said web tension in response to said occurrence of said web tension affecting interference; and employing said time based function to selectively reduce the reference value of said web tension.

providing a reference variable of a tension of said web of material;
sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;
providing a time based, predetermined function in response to said sensed web tension affecting interference;
providing a computing unit;
supplying information regarding the web to said computing unit;
using said computing unit for determining one of a time and a duration of a reduction of said reference variable of said tension; and
selectively changing and reducing said reference variable of said tension on the basis of said time based function.

36. (Previously Presented) The method of claim 33 further including reducing said selected reference value to a fixed value.

37. (Previously Presented) The method of claim 34 further including reducing said selected reference value to a fixed value.

38. (Currently Amended) The method of claim 33 further including reducing said selected reference value a predetermined amount in respect to said ~~actually existing reference value variable~~.

39. (Currently Amended) The method of claim 34 further including reducing said selected reference value a predetermined amount in respect to said ~~actually existing reference value variable~~.

40. (Cancelled)

41. (Currently Amended) The method of claim 34 further including ~~providing a computing unit and using said computing unit for storing at least one value of an amount of change of said reference value in said computing unit.~~

42. (Currently Amended) The method of claim 35 further including ~~providing a computing unit and using said computing unit for storing at least one value of an amount of change of said reference value in said computing unit.~~

43. (Previously Presented) The method of claim 33 further including using said computing unit for storing at least one correlation for determining a change of said reference value.

44. (Previously Presented) The method of claim 34 further including providing a memory unit and using said computing unit for storing at least one correlation for determining a change of said reference value.

45. (Currently Amended) The method of claim 35 further including using said computing unit for storing at least one correlation for determining a change of said reference value.

46. (Currently Amended) The method of claim 33 further including maintaining said reference value as a desired tension value ~~said selected reference variable~~ for a constant time interval.

47. (Currently Amended) The method of claim 34 further including maintaining said reference value as a desired tension value ~~said selected reference variable~~ for a constant time interval.

48. (Currently Amended) The method of claim 35 further including maintaining said reference value as a desired tension value ~~said selected reference variable~~ for a constant time interval.

49. (Currently Amended) The method of claim 33 further including reducing said reference value variable in one step.

50. (Currently Amended) The method of claim 34 further including reducing said reference value variable in one step.

51. (Currently Amended) The method of claim 35 further including reducing said reference value variable in one step.

52. (Cancelled)

53. (Currently Amended) The method of claim 41 further including reducing said reference value variable discontinuously in time intervals.

54. (Currently Amended) The method of claim 42 further including reducing said reference value variable discontinuously in time intervals.

55. (Currently Amended) The method of claim 35 further including providing a regulating device and using said regulating device for maintaining said web tension at said reference value as said reference variable.

56. (Currently Amended) The method of claim 33 further including changing said reference value variable during one of run-up of said interference or during said interference.

57. (Currently Amended) The method of claim 34 further including changing said reference value variable during one of run-up of said interference or during said interference.

58. (Currently Amended) The method of claim 35 further including changing said reference value variable during one of run-up of said interference or during said interference.

59. (Previously Presented) The method of claim 33 further including performing a roll change for causing said interference.

60. (Previously Presented) The method of claim 34 further including performing a roll change for causing said interference.

61. (Previously Presented) The method of claim 35 further including performing a roll change for causing said interference.

62. (Currently Amended) The method of claim 33 further including connecting an old web and a new web and using said connecting for changing said reference value variable.

63. (Currently Amended) The method of claim 34 further including connecting an old web and a new web and using said connecting for changing said reference value variable.

64. (Currently Amended) The method of claim 35 further including connecting an old web and a new web and using said connecting for changing said reference value variable.

65. (Previously Presented) The method of claim 38 further including selecting said predetermined amount for counteracting an expected change in said web tension.

66. (Currently Amended) The method of claim 39 further including connecting an old web and a new web and using said connecting for changing said reference value variable.

67. (Currently Amended) The method of claim 33 further including providing a first printing unit in said processing machine and altering said reference value variable of said web tension before, in a transport direction of said web, said first printing unit.

68. (Cancelled)

69. (Currently Amended) The method of claim 35 further including providing a first printing unit in said processing machine and altering said reference value variable of said web tension before, in a transport direction of said web, said first printing unit.

70. (Currently Amended) The method of claim 67 further including providing a web draw-in unit and using said web draw-in unit for changing said reference value variable.

71. (Currently Amended) The method of claim 34 further including providing a web draw-in unit and using said web draw-in unit for changing said reference value variable.

72. (Currently Amended) The method of claim 69 further including providing a web draw-in unit and using said web draw-in unit for changing said reference value variable.

73. (Previously Presented) The method of claim 67 further including connecting a new web and an old web and changing said reference value during said connection.

74. (Previously Presented) The method of claim 34 further including connecting a new web and an old web and changing said reference value during said connection.

75. (Previously Presented) The method of claim 69 further including connecting a new web and an old web and changing said reference value during said connection.

76. (Currently Amended) The method of claim 67 further including providing a web connection and changing said reference value variable at least during a passage of said connection before, in said transport direction a last clamping point located before said first printing unit.

77. (Currently Amended) The method of claim 34 further including providing a web connection and changing said reference value variable at least during a passage of said connection before, in said transport direction a last clamping point located before said first printing unit.

78. (Currently Amended) The method of claim 69 further including providing a web connection and changing said reference value variable at least during a passage of said connection before, in said transport direction a last clamping point located before said first printing unit.

79. (Currently Amended) The method of claim 33 further including changing said reference value variable and maintaining said changed reference value variable for a time interval.

80. (Currently Amended) The method of claim 34 further including changing said reference value variable and maintaining said changed reference value variable for a time interval.

81. (Currently Amended) The method of claim 35 further including changing said reference value variable and maintaining said changed reference value variable for a time interval.

82. (Currently Amended) The method of claim 79 further including returning said reference value variable to said actual existing reference value variable after said time interval.

83. (Currently Amended) The method of claim 80 further including returning said reference value variable to said actual existing reference value variable after said time interval.

84. (Currently Amended) The method of claim 81 further including returning said reference value variable to said actual existing reference value variable after said time interval.

85. (Currently Amended) The method of claim 79 further including returning said reference value variable to a new constant reference value variable different from said actual existing reference value variable after said time interval.

86. (Currently Amended) The method of claim 80 further including returning said reference value variable to a new constant reference value variable different from said actual existing reference value variable after said time interval.

87. (Currently Amended) The method of claim 81 further including returning said reference value variable to a new constant reference value variable different from said actual existing reference value variable after said time interval.

88. (Currently Amended) The method of claim 82 further including using a time function for returning said reference value variable.

89. (Currently Amended) The method of claim 83 further including using a time function for returning said reference value variable.

90. (Currently Amended) The method of claim 84 further including using a time function for returning said reference value variable.

91. (Currently Amended) The method of claim 85 further including using a time function for returning said reference value variable.

92. (Currently Amended) The method of claim 86 further including using a time function for returning said reference value variable.

93. (Currently Amended) The method of claim 87 further including using a time function for returning said reference value variable.

94-99. (Cancelled)

100. (Currently Amended) The method of claim 88 further including returning said reference value variable discontinuously in time intervals.

101. (Currently Amended) The method of claim 89 further including returning said reference value variable discontinuously in time intervals.

102. (Currently Amended) The method of claim 90 further including returning said reference value variable discontinuously in time intervals.

103. (Currently Amended) The method of claim 91 further including returning said reference value variable discontinuously in time intervals.

104. (Currently Amended) The method of claim 92 further including returning said reference value variable discontinuously in time intervals.

105. (Currently Amended) The method of claim 93 further including returning said reference value variable discontinuously in time intervals.

106-123. (Cancelled)

124. (Currently Amended) A device for regulation of tension in a web of material passing through a processing machine comprising:

a regulating device adapted to maintain tension in a web at a reference value variable;

means for sensing an actual existing value reference-variable of a tension in a web;

means for sensing the occurrence of a web tension varying interference in the web;

a computing unit adapted to store information regarding the material which forms the web as well as at least one value of web processing affecting the web;

means for storing in said computing unit at least one correlation for determining a change in said reference value variable in response to the sensing of said tension varying interference, said correlation being dependent on the material which forms said web; and

means for reducing said actual existing value of said tension reference variable to said reference value variable to counteract said interference by use of said computing unit to control said regulating device through application of said correlation.

125. (Currently Amended) The device of claim 124 wherein said reference value variable is reduced by a predetermined value with respect to said actually existing value reference variable.